JQB NO: 5025 DC 230

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MARINE SERVICE CORP. FREEPORT, TEXAS					7 0
FOREMAN'S DAILY TIME REP	<u>ORT</u>				Ť
DATE 4-2-96 CLASS NO.		Sheef1			H 0 U R B
BADGE NAME					
Claudio Duarte	16				(
Juan Rivera					+,,
Joe Olivarez	/10				14
300 Olivarez					
Pedro Anan	a /				+-
	14				14
Jose Casas	16				16
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Jez					
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LaPaz					
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TOTAL HOURS	24				124
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	ERVICE CORP. PORT, TEXAS												7
FOREMAN'S D	AILY TIME REPORT												0 T A
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CLASS NO					Sh	eet1							R 8
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B≜DGÉ NÓ.	NAME												
	Claudio Duarte	1/8											8
	Juan Rivera	7/2								<u> </u>			7-
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	Pediro Arana	13			<u> </u>	†				1	<u> </u>	ļ	5
		15		_									0
	Rosalio Perez	M		<u> </u>									29
SIGNED	CO	NOED.						APPROVE(<u> </u>	HER (01400		

HERCULES	-5.0%	DESCRIPTION OF	F WOPL PERFORME	D (BY FOREMAN)	
MARINE SERVICE CORP. FREEPORT, TEXAS FOREMAN'S DAILY TIME REPORT	Seption Contractions	Page	1		7 O T A L
JOB NO 5005 DATE 4-30-94 CLASS NO. DC-230	Out our	Sheet			H O U R S
BADGE NAME					
Daniel Herrardz]/4				4
Larry Ballinger					
Ruben Najera	73				الم الم
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Quantivero	, (4				니 니 #
David Mercado					
Pedro Arana	1/1				1
Mandra Ova Ti	1	-			
Sum Pethit Claudio Duarto Opsicasas	//				1 4
	/iji				7 -
TOTAL HOURS	ODED AND FENDED		APPROVED		 HER 01401
SNEDEXT	TENDED	<u>. </u>	ev -		

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HERCULES DESCRIPTION OF WORK PERFORMED IS FOREMAN MARINE SERVICE CORP. Page 1 FREEPORT, TEXAS FOREMAN'S DAILY TIME REPORT Sheet1 BADGE HQ. Claudio Duarte .aPaz Rosalio Perez TOTAL HOURS CODED AND EXTENDED **HER 01403** SIGNED____

DESCRIPTION OF WORK PERFORMED (BY FOREMAN; HERCULES MARINE SERVICE CORP. FREEPORT, TEXAS FOREMAN'S DAILY TIME REPORT Page 1 Sheet1 Lucio Nazera Larry Ballinger Ruben Najera Juan Mendoza Pedro Aranagoe Olivares Claudio Diarte TOTAL HOURS HER 01404 CODED CHA CECHATES_ APPROVED

	mEROULES	~		42د	CHIPTIO	K O+ W	OMK PE	RFORME	iS (B) F	OREMAN.			
	MARINE SERVICE CORP. FREEPORT, TEXAS	122		} }	P	ge 1							
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<u>FO</u>	REMAN'S DAILY TIME REPORT	120	,							. ;			T A
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BADGE NO.	NAME		ļ										
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,	Joe Olivarez					· ·	ļ					*	11
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ı	Prisciliano DeLaPaz	1/)	Ì		<u> </u>	ļ	ļ					
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	TOTAL HOURS	17)	-									[117
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DECLARATION OF INSPECTION PRIOR TO BULK CAUGO TRANSFER

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VESS:	ELS	D-e.	233			
		Divie C	Arreis			-
TRAN	SPER FACILITY		AAS Free DOC	4		
LOCA	TION	FREEPORT T	~ · · ·			
						
OR THYS	o following list refers to resease. The spaces adjacent t	of terments set for some on the list	rth in detail in 33 CFR i are provided to indicate	156.150 ar 5 thes th	id 40 CM is doculled	t 35.36-30 (printed Lenguiroment has
pean in	46.	·	•		! L	
		_		DEL	ARKEH	FLECEIVER .
	Communication System/Lan			<u>;</u>		
• 2. '	Warning Signs and red War	ning Signals. (35.36	~30)	1		
3.	Vessels Moorings, (1541120 (a))				
4 1	Transfer System Allgamont.	(158.120 (d))		ļ		
3 <u>.</u> ′	Transfer System; unused con	uponents. (156.120	(e))			
d.	Principles Systems; fixed pipir	ig. (18&120 (f))				
7.	Overboard Discharges/See St	ection Valves. (15d.)	120 (変)	<u> </u>		
8. J	Resea of Loading Arms cond	ltton (186.120 (h) (1	56170):	<u> </u>		
0,	Hoses; longth and support (1	15 6.120 (b) (c))				
10.	Consections (156.130)	,				
11.	Discharge Combdoment Syste	mr (168122 (1) (1))				
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13.	Colorgically Shildowie (180.120	(a) :			/ !	
* 14 B	impule Work Aurinobusian.	(3d .35-80)		N	A	N/A
* lo. 3	Boller and Calley Fires Sale	(38-36-30)		N	Α	N/A
• 16. I	Fires or Open Filmes (38.35	30) _~		N	A	N/A
17.	Lighting (sunset to muriso).	(188.120 (t))				V
+ 10	Bath Smoking Spaces. (III.36)	30)		<u> </u>		
10. 3	Spill and Prospercy abutdor	wa procedarus. (156	1.120 (q))			
20,	Suddelet Personnal: (18512	4 (o) (a)).				
21.	Transfer Conference. (186.12	a (a)).				
TI.	Agreement to begin transfer	(158.120 (r))		<u> </u>		
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Pecuan	in Charge Delivering Unit	•	FUEL PERSON		•	
TIME (OMPLETED 4-26-9	6-			· · ·	HED 01

[&]quot; linles and Regulations for Tank Varsals.

•	
JOB NO. 5025	ETA
BARCE NO. <u>D. C. 330</u>	DATE/TIME ARRIVAL
CUSTOMER DIACE CALVES	DATE/TIME STARTED
PRODUCT Lydroch Cure. A Cid	DATE/TIME COMPLETE
AMOUNT STRIPPED	20000
CLEANING ISTRUCTION BY: Blainers	
COMPLETION SCHEDULE BY:	•
OVERTIME AUTHORIZED BY:	
BARGE INSPECTED BY: a Charles De carte	DATE/TIME:
	DATE/TIME:
DEEPWELL OPENED: YES NO % CLOSED BY	NFU CASVET VSS NO
BELOW DECK CARGO PIPELINE: BLIND OPEN YES 7/4	NO CLOSED BY MELL CACKET
•	
DECK CHECK VALVE OPENED: YES 10 CLO	SED BY NEW CASKET
DECK HEADER BLINDS OPEN: 225 INSPECTED B	VTC NO
	• The second of
DECK HEADER DRAIN PLUC OPEN: YESNOCLOS	
VAPOR RECOVERY HEADER OPENED: YES NO CL	
RUST SCALE: YES 10 WASHED OUT BUC	KETED OUT
NUMBER OF CARCO TANKS	
CONDITION OF CARCO VALVES BOD (REPLACED)	
SLOP TANK STRIPPED: YES JANO	
DRIP PANS STRIPPED: YES NO	
WEATHER: TEMP 80 RAIN FOC HUMIDITY	OVERCAST CLOUDY CLEAR
PIPELINE WASHED: NO. PIPELINE BLOWN NO.	
BOW RAKE CHECKED: YES NO S	TERN RAKE: YES NO
VOIDS: YES NO SAFETY EQUIP	MENT USED:
SIMPS INSPECTED	*****
NOTIC	E
All barges cleaned for BASF will be inspected! have paperwork for the Hercules foreman in cha	by Caleb Brett. The inspector will
two copies in the document mail box. One copy	will stay in the mailbox, and the
'captain of the tugboat that is picking up the	barge will not be called until
inspection is completed and documentation is i logistics re resentative must be contacted.	it the mailtiox. It any problems, there
Inspected	Tn Time Out
**************************************	,a.
Inspected By	
NO BASE BARGE THAT HAS BEEN CLEANED WILL BE RE THE RELEASE PAPERS. CALEB BRETT WILL BE GIVEN	

HYNYBDR COMMUNICATION STANDAND

OSHA 1910-1200.

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* # *	MALCOLRE MYZYKDOO	B MITTERY	• •
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Plant Heren	la M.	Sugar	War Durto
April Ma	2 Minine	Walatarao	Marin Reals
- XAL	true lock	Cliant Saf	etv
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The fire			
And (Dilowing	listed mercel	considered to be hezardou	
working in the	to and talk ate (considered to be	
7/ / 1/1	- 4E091 41	ne negardor	to the employa
Hydo Clour	Acid	<u> </u>	
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The employees a	1910-11	area have been informed by present to the	
Make	staned to work in this	Star I	
adragrate in thi	4 area -i	area nave been informed	05
of harman	the hazards th	CV Dragon	or the hazardous
	0. Ph.	THE WAR.	_
ir is located	brocective edni	area have been informed by present to the worker pment: that has been	the location
r nave received ti	lesteri.:	s and will so designate	r
form.	alitting listed above	and will	scutal sxboants.
		arri ao designace	by signing
/ NAME		- ^· -	. Suring this
	DADCE	•	•
James 1	7.	NAME: *	_
Jaro D			BADCE
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2 · .		-	" HER 01408



P.O. Drawer O Office: p109(203-6071 Fraupori, Tuxus 77641 Fax: 1409/233-6376

FINAL CHECK LIST

·		
BLND NUMBER CHECKED 2	REPLACED CASKET	YESNO
CATE VALVE NUMBER CHECKED 2	REPLACED CASKET	YESNO:
PLUCS NUMBER CHECKED 8	REPLACED PLUC	YESNO
CHECK VALVE NUMBER CHECKED &	REPLACED CASKET	YESNO
DREPWELL BLIND NUMBER CHECKED	_REPLACED CASKET	УЕЗОИ
BELOW DECK CARCO PIPELINE BLIND NUMBER	BER MA REPLACED C	ASKET YES NO
BELOW DECK CARGO PIPELINE BLIND RENG	OVED YES NA NO	_
DRIP PANS VALVES: CLOSED BY 3	10-11	
DRIP PANS COVER: CLOSED BY		•
COMPAINMENT ARE PLUG OR VALVES:	CLOSED BY 14/4	
AIR TEST CARCO LINE - 40psi - USING	SOAP	
SICNATURE OF TESTER: Plause Du	et .	
WITNESS: Auera 1	·	
<i>√ ∪</i>		_

CHECK VALVE CASKET WILL BE REPLACED AIR TEST IS LAST THING TO BE DONE DEFORE RELEASING BARCE.



Stypnoph physionmonial awaronoss and customer sorvice .
P.O. Drawer G. Glico (409) 222-6271
Fluidpon, Junis 77541 Fax. (400) 200-62752

EQUIPMENT	HOURS USED	HOURLY RATE	TOTAL PRICE
Compressor.	122	44.00	
AIR MOVERS	5 0	5.00	**********
VACUUM	A DE LA COMPANIA DEL COMPANIA DE LA COMPANIA DEL COMPANIA DE LA CO	20.00	
BOILER	Hickory as July	80.00	Au
HAND HOSE		10.00	
BUTTERWORTH		10.00	
2" STRIP FUMP	32 B	12.00	*****
3" DIESEL PUM		. 14.00	
" ELECT PUMP	A PARENTAL TO THE STATE OF THE	15.00	**************************************
CRANE		130.00 *	****************
CRANE CHERRYPICKER		130.00 -	
CHERRYPICKER		50.00	
CHERRYPICKER FORKLIFT		50.00 20.00	
CHERRYPICKER FORKLIFT		50.00 20.00	
CHERRYPICKER FORKLIFT TUC BOAT		50.00 20.00 £0.00	
CHERRYPICKER FORKLIFT TUC BOAT WELD MACHINE		50.00 20.00 20.00	
CHERRYPICKER FORKLIFT TUC BOAT WELD MACHINE CUTTING RIC		50.00 20.00 20.00 15.00 5.00	

earce name: D.C. 230

P. O. Drawer O . Freeport, Texas 77541

INVOICE NO.

DATE

April 30, 1996

5025

3397-

Job No.

Location

Freeport, TX

TO:

Dixie Linehaul 7747 Tom Drive

Baton Rouge, LA 70806

PLEASE REMIT PAYMENTS TO: 11011 RICHMOND SUITE 500 HOUSTON, TX. 77042

			Terms	: Net 30
FOR:				
	Service to the DC230 as follows:			
	Remove and replace all valves and 4 covers	for inspection		
	Foreman 3 hr. @	38.00	114.00	
	Journeyman 18 hr. @	32.50	585.00	
		Total	699.00	
	Pump water out of bow, stem, and hopper			
	Journeyman 10 hr. @	32.50	325.00	
	'	Total	325.00	-
	Weld all fractures, 18" x 18" plate			
	Journeyman 20 hr. @	32.50	650.00	
		Total	650.00	
	Pump our 25,000 gallons of water and acid Wash out cargo tanks for Coast Guard Inspe Blow Dry	ection		
	Foreman 5 hr. @	38.00	190.00	
•	Journeyman 17 hr. @	32.50	552.50	
		Total	742.50	
	Assist Coast Guard		•	
	Foreman: 2 hr. @	38.00	76.00	
		Total	76.00	
	DISPOSAL: Water 25,	000 @	.35/gallon.	8,750.00

PHONE: (409) 233-6371

HERCULES MARINE SERVICES CORPORATION

P. O. Drawer O . Freeport, Texas 77541

INVOICE NO.

DATE

Job No.

Location

TO:

PLEASE REMIT PAYMENTS TO: 11011 RICHMOND SUITE 500 HOUSTON, TX. 77042

					Terms	: Net 30.
FOR:			·			
	EQUIPMENT:	Compressor Air Movers Vacuum Hand Hose 2" strip pump	22 52 3 3 32	66666	48.00 5.00 30.00 12.00 15.00	1,056.00 260.00 90.00 36.00 480.00
	······································		···	TOTAL	AMOUNT DUE	\$13,164.50

PHONE: (409) 233-6371

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JOB WORKSCOPE/BREAKDOWN

JOB NO: <u>56</u>	25 CUSTOMER: DVIL BARCE DC 25	30
FOREMAN:	S/T 7 @ 38.00 S 266.00 O/T @ 53.25	
LEADMAN:	S/T	
JOURNEY:	O/I	. <u>5</u> [.
DISPOSAL: WATER:	Stop Oil @ .60 Water @ .35 25,000,005.00 per 1,000 gals	<u></u>
MATERIAL : STOCK:	100.00 Chemist	-
EQUIPMENT:	Compressor 22 @ 48.00	0
· · · · · · · · · · · · · · · · · · ·	Air Movers 52 @ 5.00 2 (0) (0) (0) (0) (1) (1) (1) (1)	
	Vacuum 3 0 30.00 0	
	Cherrypicker	
	Butterworth (ii) 10.89	
	4" Elect. Pump	
ARRIVED:	COMPLETED: DEPARTED:	 -
PRODUCT:	TOTAL INVOICE: 132800.50	

3750.80 Romove & Rystone sel Valor & 4 Cover For Inspect Hopper Pump out water out of Bow, Steen and Hypsen Journey 10 Weld Al Faster & -218" 118" Plate For Journey 20 Hour Pump ent 25,000 look water & ACIL miles Work it CARSO TIMES For Coast Guard Tusperson set Blow Day Potomm Z Hour. EU 2214-848-00 An nover 52 the 5,00 3 4m @ 30.00 3 Km@ 12.00 2 Shap Page 32 lb. @ 15,00 **HER 01414**

HERCULES OFFSHORE CO.

ORDER No (ちん)か。	CUSTOMER P.O.
ORDER No. 5025 ORDER No. 5025 ORDER No. 5025 ETA A A A A A A A A A A A A A A A A A A	CUSTOMER P.O. CUSTOM
GAS FREEING NO CERTIFICATE REQUIRED NO	7.
HAUL OUT FOR INSPECTION AND REPAIR YES NO	
ON WAYS DATE:	
ON WAYS DATE:	
TTEM N	IUMBERS
lemone all 4 covers u	nspect hopper
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THE CHAPT CERVE AC VALID AUTHORIZATION TO COLORE	WITH THE ABOVE
THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED	WITH THE ADOVE.
Signed:	Date:

HERCULES OFFSHORE CO. MARINE REPAIR CUSTOMER P.O. ORDER No. 5025 Ţ 0 М E YES □NO YES, COMPLETE STOCK MATERIAL TRANSFER TICKET OUTSIDE SERVICES IF YES, LIST YES . □ NO CERTIFICATE REQUIRED NO HAUL OUT FOR INSPECTION AND REPAIR YES NO ON WAYS ITEM NUMBERS 7 $\mathcal{A}_{\mathcal{F}} = \frac{1}{2} \left(\frac{1}{2} \frac{\partial \mathcal{F}}{\partial x} \right)^{-1} \left(\frac{\partial \mathcal{F}}{\partial x} \right) = 0.$ THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

509 Kilgarlin Ln.	13-478-4091		IST CERTIFICATE RIAL NO. F 68271
eer Park, Tx. 77536	Mr. Jr.	5E.	· ·
HELD IES MAKINE INEY Requested by	Vessel Own	er or Agent	5-2-96 Date
SANGE DC-Z30	Cy//NORICAL Type of	HOLES - HOLSE WHE	Specific Location of Vest
Nuckocklokolo Arid	(3) OKYGKW! OF	MBUTILE/KS NC /	7:5DPs M1 Time Survey Complete
		TilATTON FOR KUT	
		TANKS; Kud, KAR	
tz) Brock	13 SAFK FAL	IN-SNy) yelled St	17-TIKG.
(3) TEST	· ·	460 Thats; 20,8%	OKYGEN, ZEWE
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in the event of any physical or atm	nosoberio changes adversely affe	cting the STANDARD SAFETY DESIGNA	TIONS assigned to any
of the above spaces, or if in any do	oubt, immediately stop all work a	nd contact the undersigned Marine Che	mist.
ments subject to gas accumulation, un	less specifically approved in this	Certificate, requires inspection and endo similarly enclosed appurtenances shall i	rsement or relissue of Certificate
STANDARD SAFETY DESIGNATIONS (partial		ctions 2-3.1 through 2-3.5, and Subsection 6-3.2) gen content of the atmosphere is at least 19.5 perce	out hu who may and that this toy in materials
in the almosphere are within permissible concer as directed on the Marine Chemist's Certificate	ntrations; and that, (c) the residues are not o	apable of producing toxic materials under existing	atmospheric conditions while maintained
ENTER WITH RESTRICTIONS: Means that in a	• •	ne requirements of Safe for Workers have not bee entry for work may be made only if conditions of pr	
sime are as specified. SAFE FOR HOT WORK: Means that in the company to the control of the contr	partment so designated: (a) oxygen conte	nt of the atmosphere is at least 19.5 percent by voluble materials in the atmosphere is below 10 perce	me, with the exception of inerted spaces
(c) the residues are not capable of producing a high directed on the Marine Chemist's Certificate:	ligher concentration than permitted by (b) (and further, that, (d) all adjacent spaces	above under existing atmospheric conditions in the containing or having contained flammable or cor	presence of fire, and while maintained as inbustible materials have been cleaned
the Marine Chemist's requirements.	• •	nks or lube oil tanks, or engine room or fire room bilg ements of Sale tor Hot Work have not been met.	oo, waxa neen waatan iii anonioanca wan
SAFE FOR REPAIR YARD ENTRY: Means that	t the compartments and spaces of the flar	mmable cryogenic liquid carrier so designated: (a) oxygen, and less than 10 percent of the lower flan	have been tested by sampling at remote transfer innit, or (b) are inerted.
•	y that I have personally determined that a	Il spaces in the foregoing list are in accordance wi	
The undersigned acknowledges receipt of this Certificate, indenstands conditions and limitations under which it was as	under Section 2-6 of NFPA 305 and	This Certificate is based on conditions existing at the time issued subject to compliance with all qualifications and in	
71 - 70 M	"1 1/2 1/2	A	,

CUSTOMER COPY

⊣HER 01417

John W. Sansing 713-478-4091 MARINE CHEMIST CERTIFICATE 1509 Kilgarlin Ln. Deer Park, Tx. 77536 SERIAL NO. F 68271 HELCULES MARINE aw/ Killer PROGRESSED OWNER OF AGENT VESSED OWNER OF THE STATE STATE STATE STATE SPECIFIC LOCATION OF VESSED OWNER OF THE STATE SPECIFIC LOCATION OF VESSED OWNERS TIKE STATE OF THE SURVEY COMPLETED OF VESSED OWNERS PERFORMED WELLS TO THE SURVEY COMPLETED OF THE SURVEY COMPLETED OF THE SURVEY COMPLETED OF THE SURVEY COMPLETED OWNERS PERFORMED WELLS TO THE SURVEY COMPLETED OWNERS PERFORMED WITH THE SURVEY COMPLETED OWNERS PERFORMED OWNERS PERFORMED WITH THE SURVEY COMPLETED OWNERS PERFORMED WITH THE SURVEY COMPLETED OWNERS PERFORMED OWNERS PERFOR Ny depoch longic Arid (3) Uxilia Com Bustistiks; HC/; NOTES: (1) * provide forced VENTI/ATTON FOR KNING And WONE IN FOLK (4) CHOS TANKS; FEW, KIKE; STEEN WI'D * (2) KAKEK 13 SAFK FOR IN-SNYSYMEND SNIXTING. (3) TEST KESUITS: 64) CARGO THATS: 20,8% OKEGEN; ZEWELL 2, pm 17) 4 spu Hol 6) Wids: 70, 82 (Sybin; Tico To LEC; NO NOT DETECTED. * KNTRL WITH KESKICTIONS* Void; AND FOUR 141 CARGO THAKES Stri for HOT WINK In the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist QUALIFICATIONS: Transfer of beliast or manipulation of valves or closure equipment tending to alter conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Cartificate, requires inspection and endorsement or release of Cartificate for the spaces so affected. All lines, vents, heating coils, valves, and similarly enclosed appurtenances shall be considered "not safe" unless STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from NFPA 306 Subsections 2-3.1 through 2-3.5, and Subsection 6-3.2) SAFE FOR WORKERS: Meens that in the compartment or space so designated; (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materiats in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate. NOT SAFE FOR WORKERS: Means that in the compartment or space so designated, the requirements of Safe for Workers have not been met ENTER WITH RESTRICTIONS: Means that in any compartment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing, and SAFE FOR HOT WORK; Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate, and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements. NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Safe for Hot Work have not been met. SAFE FOR REPAIR YARD ENTRY: Means that the compartments and spaces of the flammable cryogenic liquid carrier so designated: (a) have been tested by sampling at remote sampling stations, and results indicate the atmosphere tested to be above 19.5 percent oxygen, and less than 10 percent of the lower flammable limit, or (b) are inerted. CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessets and have found the condition of each to be in accordance with its assigned designation.

TOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS

This Certificate issued subject

undersigned acknowledges receipt of this Certificate under Section 2-8 of NFPA 306 and stands conditions and limitations under which it was issued."

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John W. Smnsing 713-478-4091 MARINE CHEMIST CERTIFICATE 1509 Kilgarlin Ln. Deer Park, Tx. 77536 SERIAL NO. F 68271 5-2-96 HELOUIES MARINE Cylindrical THAKS -HELCULES S - HUSSER GREEK Specific Location or vessor.
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Time Survey Completed 1000 CA LORDIC Arid(3) UNGEN: COMESISTINS; NC/ NOTES: (1) * PROVIDE FORCED VENTILATION FOR KITCH AND WORLD IN FOUR HI CHOW TANKS; Mid, MAKE; STEEN WIND * MAKK 13 SAFK FOR IN-SNYDYMEN SNIFTING. (3) TEST KESUITS: H) CARGO THATS: 20,8% UKYCEN; ZEWELL 2 pp n m 4 Jun Hol 19 Wids: 30, 89, OSY6KA; THEO TO LEA NO HO! DELECTED. * KUTKL WITH KESTHICTIONS Fed, KAKE; DYAKE SPACES; STEER Wid; AND FOLKINI CANGO THAKS In the event of any physical or almospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist. QUALIFICATIONS: Transfer of ballast or manipulation of valves or cleaure equipment tending to alter conditions in pipe lines, tanks or o ments subject to gas accumulation, unless specifically approved in this Cartificate, requires inspection and endorsement or release of Cartificate, requires inspection and endorsement or release of Cartificate, requires inspection and endorsement or release of Cartificate, requires inspection and endorsement of the considered "not safe" otherwise specifically designated. STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from NFPA 306 Subsections 2-3.1 through 2-3.5, and Subsection 6-3.2)

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CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation.

ipt of this Certificate upder Section 2-6 of NFPA 306 and under which it was issued

This Certificate is based on conditions existing at the time the insperies and instructions and instructions.

5-2-96 Signed Signed Charges NOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS

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CONTRA NO. 539

John W. Sansing 713-478-4091 MARINE CHEMIST CERTIFICATE 1509 Kilgarlin Ln. Deer Park, Tx. 77536 SERIAL NO. F 68271 HELCY/ES MAKINE Specific Location of Vessel
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Time Survey Completed DRIGHT OMESISTIKITES NC/ OCHLORDIC AridES Drovide Housed VENTILATION FOR KITCH AND WONLE FOUX 14) CHOW TANKS; HAD, MAKE; STEEN WIND * MAKK 13 SAFK FOR IN-SNYSYMOND SNIFTING. TEST KESUITS: H) CARGO THAKS; ZO, 8% OKYGEN; ZEWELL 2 pm n 4 Sdu Nol K) Wids: 70, 87 Waybkin; Thico & LEL NO NOT DETECTED. * KNTEL WITH HESKICTICES* Fad, KAKK; BOJDEL SINCES; STEEN Void; AND FOLKINI CHAGO THAKE in the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist. QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to after conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or reissue of Certificate for the spaces so affected. All lines, vents, heating colls, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated. STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from NFPA 306 Subsections 2-3.1 through 2-3.5, and Subsection 6-3.2) SAFE FOR WORKERS: Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate. NOT SAFE FOR WORKERS: Means that in the compartment or space so designated, the requirements of Sale for Workers have not been met. ENTER WITH RESTRICTIONS: Means that in any compartment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing, and SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and while maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements. SAFE FOR REPAIR YARD ENTRY: Means that the compartments and spaces of the flammable cryogenic liquid carrier so designated: (a) have been tested by sampling at remote sampling stations, and results indicate the atmosphere tested to be above 19.5 percent oxygen, and less than 10 percent of the lower flammable limit, or (b) are inerted. CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation. This Certificate is based on conditions existing at the time the inspectional subject to compliance with all qualifications and instructions

NOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS

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John W. Sansing 713-478-4091	MARINE CHEMIST CERTIFICATE
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Deer Park, Tx. 77536	SERIAL NO. F 68267
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understands conflions and limitations under which it was issued	assued subject to compliance with all qualifications and instructions.
Signed Harry Belly	Elisaued subject to compliance with all qualifications and instructions. 4-30-74 Signed Machine Charmet Date Conficer No. Conficer No.
Signed Acry For NOTE: THIS CERTIFICAT	Elsewed subject to compliance with all quelifications and instructions. 130-9 L Signed March Chamet Conficers No.
Signed For Figure 1 NOTE: THIS CERTIFICAT	Elisand subject to compliance with all qualifications and instructions. 4-30-74 Signed Machine Chamber (Conficer No.) Date Signed Machine Chamber (Conficer No.)

ohn W. Sansing 713-478-4091 509 Kilgarlin Ln. eer Park, Tx. 77536	MARINE CHEMIST CERTIFICATE SERIAL NO. F 68267
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John W. Sansing 713-478-4091 1509 Kilgarlin Ln.	MARINE CHEMIST CERTIFICATE
Dear Park, Tx. 77536	SERIAL NO. F 68267
HELCOLES MARINE DOWN Survey Requested by Vessel	/ Kink May 4-30-96 Owner or Agent Date
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713-478-4091 John W. Sansing MARINE CHEMIST CERTIFICATE 1509 Kilgarlin Ln SERIAL NO. F 68267 Deer Park, Tx. 77536 4-30-96 IFS MAXINE 2: Delin, Time Survey Completed 1 GKGU THAKE HEGINE SIK Ke Walties Howide racerd yestilation For 411 Wid INTERNAL wet. KARGE IS SHE FEX IN-SHIPYMED SHITTING. KKSUTE; MI FOUR HI CHERD TANKS; 76,88 CHAYEREN; Tree % LEL: > 30 Jun No 16) WidsAnd HOLSER SMER! GEW; ZERU GOLEL. SAFF FOR WORLDENS Spack: /Deffere STEEN VOID SHE FOR NOT WORK Hun (4) Cylindrical NOT SAFE FOR WINKERS HOW HOT WORK le the event of any physical or atmospheric changes adversely affecting the STANDARD SAFETY DESIGNATIONS assigned to any of the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist QUALIFICATIONS: Transfer of ballast or manipulation of valves or closure equipment tending to after conditions in pipe lines, tanks or compartments subject to gas accumulation, unless specifically approved in this Certificate, requires inspection and endorsement or release of Certificate for the spaces so affected. All lines, vents, heating colls, valves, and similarly enclosed appurtenances shall be considered "not safe" unless otherwise specifically designated. STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from NFPA 306 Subsections 2-3.1 through 2-3.5, and Subsection 6-3.2) SAFE FOR WORKERS: Means that in the compartment or space so designated: (a) the oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) toxic materials in the atmosphere are within permissible concentrations; and that, (c) the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Marine Chemist's Certificate. NOT SAFE FOR WORKERS: Means that in the compartment or space so designated, the requirements of Safe for Workers have not been met. ENTER WITH RESTRICTIONS: Means that in any compartment or space so designated, entry for work may be made only if conditions of proper protective equipment, clothing, and time are as specified. e are as specified SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen content of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces or where external hot work is to be performed; and that, (b) the concentration of flammable materials in the atmosphere is below 10 percent of the lower flammable limit; and that, (c) the residues are not capable of producing a higher concentration than permitted by (b) above under existing atmospheric conditions in the presence of fire, and white maintained as directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent spaces containing or having contained flammable or combustible materials have been cleaned sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel tanks or lube oil tanks, or engine room or fire room bilges, have been treated in accordance with the Marine Chemist's requirements. NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the requirements of Sate for Hot Work have not been met. SAFE FOR REPAIR YARD ENTRY: Means that the compartments and spaces of the flammable cryogenic liquid carrier so designated: (a) have been tested by sampling at remote sampling stations, and results indicate the atmosphere tested to be above 19.5 percent oxygen, and less than 10 percent of the lower flammable limit, or (b) are incread. CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined that all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on Vessels and have found the condition of each to be in accordance with its assigned designation. The undersigned acknowledges receipt of this Certificate under Section 2-6 of NFPA 306 and understands conditions and limitations under which it was issued. This Certificate is based on conditions existing at the tin issued subject to compliance with all qualifications and

NOTE: THIS CERTIFICATE IS VALID ONLY ON MARINE VESSELS

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John W. Sansing 713-478-4091 1509 Kilgarlin Ln. Dear Park, Tx. 77536	MARINE CHEMIST CERTIFICATE SERIAL NO. F 6826'
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In the event of any physical or atmospheric changes adversely a of the above spaces, or if in any doubt, immediately stop all work	offecting the STANDARD SAFETY DESIGNATIONS assigned to any k and contact the undersigned Marine Chemist
ments subject to gas accumulation, unless specifically approved in th	paure equipment tending to alter conditions in pipe lines, tanks or compart- nis Certificate, requires inspection and endorsement or reissue of Certificate ad similarly enclosed appurtenances shall be considered "not safe" unless
etherwise specifically designated. STANDARD SAFETY DESIGNATIONS (partial list, paraphrased from NFPA 306 Sub-	
SAFE FOR WORKERS: Means that in the compartment or space so designated: (a) the	oxygen content of the atmosphere is at least 19.5 percent by volume; and that, (b) loxic materials not capable of producing toxic materials under existing atmospheric conditions while maintained
as directed on the Marine Chemist's Certificate.	d, the requirements of Sale for Workers have not been met.
NOT SAFE FOR WORKERS: Means that in the compartment or space so designated	and anti-classical, may be read and of the analities of areas, motivation on discussion and
NOT SAFE FOR WORKERS: Means that in the compartment or space so designated ENTER WITH RESTRICTIONS: Means that in any compartment or space so designated time are as specified.	led, etably for work may be made only ii contollions of proper prosective equipment, croining, and
ENTER WITH RESTRICTIONS: Means that in any compartment or space so designations are as specified. SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen corowhere external hot work is to be performed; and that, (b) the concentration of flam.	intent of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces mable materials in the atmosphere is below 10 percent of the lower flammable limit, and that,
ENTER WITH RESTRICTIONS: Means that in any compartment or space so designal time are as specified. SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen coror where external hot work is to be performed; and that, (b) the concentration of flams (c) the residues are not capable of producing a higher concentration than permitted by directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent space sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel	intent of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces
ENTER WITH RESTRICTIONS: Means that in any compartment or space so designal time are as specified. SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen coror where external hot work is to be performed; and that, (b) the concentration of flams (c) the residues are not capable of producing a higher concentration than permitted by directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent space.	intent of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces mable materials in the atmosphere is below 10 percent of the lower flammable kind; and that, b) above under existing atmospheric conditions in the presence of fire, and while maintained as less containing or having contained flammable or combustible materials have been cleaned it tanks or tube oil tanks, or engine room or fire room bilges, have been treated in accordance with
ENTER WITH RESTRICTIONS: Means that in any compartment or space so designatione are as specified. SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen coror where external hot work is to be performed; and that, (b) the concentration of flams (c) the residues are not capable of producing a higher concentration than permit of global directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent space sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel the Marine Chemist's requirements. NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the recompartment so designated, the recompartment is the compartment of the safe satisfactorily inerted.	intent of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces mable implications in the atmosphere is below 10 percent of the lower flammable limit; and that, (b) above under existing atmospheric conditions in the presence of fire, and while maintained as ses containing or having contained flammable or combustible materials have been cleaned it tanks or tube oil tanks, or engine room or fire room bilges, have been treated in accordance with quirements of Safe for Hot Work have not been met. flammable cryogenic figuid carrier so designated: (a) have been tested by sampling at remote
ENTER WITH RESTRICTIONS: Means that in any compartment or space so designal time are as specified. SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen coror where external hot work is to be performed; and that, (b) the concentration of flams (c) the residues are not capable of producing a higher concentration than permit by directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent space sufficiently to prevent the spread of fire, or are satisfactorily inerted, or, in the case of fuel the Marine Chemist's requirements. NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the recent section of the sampling stations, and results indicate the atmosphere tested to be above 19.5 percent.	intent of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces imable materials in the atmosphere is below 10 percent of the lower flammable kimit, and that, (b) above under existing atmospheric conditions in the presence of fire, and while maintained as eas containing or having contained flammable or combustible materials have been cleaned it tanks or tube oil tanks, or engine room or fire room bilges, have been treated in accordance with quirements of Safe for Hot Work have not been met. Illammable cryogenic figuid carrier so designated: (a) have been tested by sampling at remote ent oxygen, and less than 10 percent of the lower flammable limit, or (b) are inerted. at all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on
ENTER WITH RESTRICTIONS: Means that in any compartment or space so designatione are as specified. SAFE FOR HOT WORK: Means that in the compartment so designated: (a) oxygen color where external hot work is to be performed; and that, (b) the concentration of that (c) the residues are not capable of producing a higher concentration than permitted by directed on the Marine Chemist's Certificate; and further, that, (d) all adjacent space sufficiently to prevent the spread of fire, or are satisfactority inerted, or, in the case of fuel the Marine Chemist's requirements. NOT SAFE FOR HOT WORK: Means that in the compartment so designated, the reconstruction of the sampling stations, and results indicate the atmosphere tested to be above 19.5 percent CHEMIST'S ENDORSEMENT. This is to certify that I have personally determined the	intent of the atmosphere is at least 19.5 percent by volume, with the exception of inerted spaces imable materials in the atmosphere is below 10 percent of the lower flammable kimit, and that, (b) above under existing atmospheric conditions in the presence of fire, and while maintained as ces containing or having contained flammable or combustible materials have been cleaned it tanks or tube oil tanks, or engine room or fire room bilges, have been treated in accordance with quirements of Safe for Hot Work have not been met. If all spaces in the foregoing list are in accordance with NFPA 306 Control of Gas Hazards on attentions.

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